

### ABSTRACT OF THE DISCLOSURE

Transmitting apparatus 101 performs transmission processing on a general timeslot, while transmitting sub-data using a sub-timeslot for communication quality improvement. When a receiving process is failed on the general timeslot, receiving apparatus 102 receives the sub-timeslot, combines a received result on the sub-timeslot with the received result on the general timeslot to re-decode, and thereby reduces reception errors. Examples used as the sub-data are data deleted by puncture processing in transmission-coding and data of a bit that is known already to obviously have a poor received characteristic in using an M-ary modulation, etc.